Title (en)

METHOD OF IMPROVING THE PRODUCTION OF FOAM DURING THE PREPARATION OF DRINKS FROM A CARTRIDGE AND DEVICE FOR ITS IMPLEMENTATION

Title (de)

VERFAHREN ZUR VERBESSERUNG DER HERSTELLUNG VON SCHAUM WÄHREND DER ZUBEREITUNG VON GETRÄNKEN AUS EINER PATRONE UND VORRICHTUNG ZU DESSEN IMPLEMENTIERUNG

Title (fr)

PROCEDE DESTINE A AMELIORER LA PRODUCTION D'UNE MOUSSE PENDANT LA PREPARATION DE BOISSONS A PARTIR D'UNE CARTOUCHE ET DISPOSITIF DESTINE A LA MISE EN OEUVRE DE CE PROCEDE

Publication

EP 1761150 B1 20081001 (EN)

Application

EP 05763407 A 20050609

Priority

- EP 2005006196 W 20050609
- EP 04015038 A 20040625
- EP 05763407 A 20050609

Abstract (en)

[origin: EP1609398A1] The method involves injecting a phase comprising air that is compressed at a pressure lower than a pressure of opening of a cartridge or outflow of a beverage through the cartridge for forming an air storage pocket. A phase comprising water that is mixed with the air in the cartridge is injected to increase the inner pressure to that of the pressure of cartridge opening and beverage outflow to evacuate the beverage and to form foam. An independent claim is also included for a device for preparing a foam beverage from a cartridge.

IPC 8 full level

A23P 30/40 (2016.01); **A47J 31/00** (2006.01); **A47J 31/34** (2006.01); **A47J 31/36** (2006.01); **A47J 31/40** (2006.01)

CPC (source: EP US)

A47J 31/002 (2013.01 - EP US); **A47J 31/34** (2013.01 - EP US); **A47J 31/3695** (2013.01 - EP US); **A47J 31/4496** (2013.01 - EP US)

Cited by

US10154675B2; US11160291B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1609398 A1 20051228; AR 050993 A1 20061213; AT E409432 T1 20081015; AU 2005259611 A1 20060112; AU 2005259611 B2 20101125; CA 2569315 A1 20060112; CA 2569315 C 20100803; CN 100581424 C 20100120; CN 1972613 A 20070530; DE 602005010077 D1 20081113; EP 1761150 A1 20070314; EP 1761150 B1 20081001; ES 2314681 T3 20090316; HK 1101799 A1 20071026; JP 2008503285 A 20080207; JP 4733697 B2 20110727; MY 142832 A 20110114; NZ 551338 A 20100930; PL 1761150 T3 20090430; PT 1761150 E 20081205; SI 1761150 T1 20090228; TW 200613201 A 20060501; TW I378889 B 20121211; US 2007248734 A1 20071025; US 2010260908 A1 20101014; US 7930972 B2 20110426; WO 2006002741 A1 20060112

DOCDB simple family (application)

EP 04015038 A 20040625; AR P050102621 A 20050624; AT 05763407 T 20050609; AU 2005259611 A 20050609; CA 2569315 A 20050609; CN 200580020547 A 20050609; DE 602005010077 T 20050609; EP 05763407 A 20050609; EP 2005006196 W 20050609; ES 05763407 T 20050609; HK 07109534 A 20070903; JP 2007517127 A 20050609; MY PI20052665 A 20050613; NZ 55133805 A 20050609; PL 05763407 T 20050609; PT 05763407 T 20050609; SI 200530480 T 20050609; TW 94121334 A 20050624; US 57029105 A 20050609; US 82374910 A 20100625